

Injury-related Emergency Dept. Visits

2005*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Uninten- tional	Intentional		Undeter- mined	Other & Legal ¹			
		Self- inflicted	Assault					
Cut/pierce	71,519	2,489	1,615	167	1	75,791	10.7	1,181.2
Drowning/submersion	136	3	2	1		142	0.0	2.2
Fall	171,431	31	31	59		171,552	24.3	2,673.6
Fire/burn	10,258	52	40	22		10,372	1.5	161.6
<i>Fire/flare</i>	1,637	45	11	14		1,707	0.2	26.6
<i>Hot object/substance</i>	8,621	7	29	8		8,665	1.2	135.0
Firearm	152	5	193	44	5	399	0.1	6.2
Machinery	4,466					4,466	0.6	69.6
Natural/Environmental	27,623	1		10		27,634	3.9	430.7
<i>Dog bites</i>	6,281	0		0		6,281	0.9	97.9
<i>Other bites & stings</i>	18,219	0		0		18,219	2.6	283.9
<i>All other (e.g. extreme cold)</i>	3,123	1		10		3,134	0.4	48.8
Overexertion	83,982					83,982	11.9	1,308.8
Poisoning	6,558	3,623	39	2,719	4	12,943	1.8	201.7
Struck by, against	100,620		13,140		425	114,185	16.2	1,779.6
Suffocation	469	105	39	9		622	0.1	9.7
Transport-related Injuries	95,977	7	11	2		95,997	13.6	1,496.1
<i>Motor vehicle traffic-related</i>	83,677	7	11	2		83,697	11.9	1,304.4
<i>Occupant</i>	72,457					72,457	10.3	1,129.2
<i>Motorcyclist</i>	2,329					2,329	0.3	36.3
<i>Pedal cyclist</i>	1,072					1,072	0.2	16.7
<i>Pedestrian</i>	3,491					3,491	0.5	54.4
<i>Unspecified person</i>	4,039					4,039	0.6	62.9
<i>Other person</i>	289					289	0.0	4.5
<i>Pedal cyclist, other</i>	7,430					7,430	1.1	115.8
<i>Pedestrian, other</i>	423					423	0.1	6.6
<i>Transportation, other</i>	4,447					4,447	0.6	69.3
Other-specified & classifiable	34,311	14	2,323	38	6	36,692	5.2	571.8
<i>Human bites</i>	606		1,036			1,642	0.2	25.6
<i>Non-powder gun (BB, pellet)</i>	321	9	74	32	0	436	0.1	6.8
<i>Other specified & classifiable</i>	34,384	5	1,213	6	6	35,614	5.0	555.0
Other specified, not classifiable	7,840	458	3,276	203	10	11,787	1.7	183.7
Unspecified	43,100	168	2,635	443	68	46,414	6.6	723.4
Adverse effects ³	--	--	--	--	--	1,141	0.2	17.8
Cause and Intent are not provided	--	--	--	--	--	10,541	1.5	164.3
TOTALS ⁴	659,442	6,956	23,344	3,717	519	705,660	100%	10,997.6
RATE BY INTENT/per 100,000	10,277.3	108.4	363.8	57.9	8.1			

Source: MA Emergency Department Discharge Database, MA Division of Health Care, Finance and Policy.

*All data sets from Health Care Finance and Policy are based on a fiscal year. The numbers provided here are based on fiscal year: October 1, 2004 - September 30, 2005 and will be different than numbers generated through the Department's query based system MassCHIP.

¹ Legal Intervention includes injuries resulting from police actions and operations of war.

² Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable. Rates provided here are not age-adjusted and may differ slightly from other department publications.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

⁴ Totals do not include subcategory counts. Total percent is presented here as 100% but may be slightly less or more due to rounding.

—An emergency department injury discharge is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—ED injury cases subsequently dying in the hospital are excluded from this analysis.

—Only Massachusetts residents with valid MA zip codes are included in this analysis.

—Cases from one hospital are excluded from the above cause and intent categories due to data quality issues.

—Population data used to calculate rates are based on 2004 population estimates released August 11, 2005 by the US Census Bureau. Estimated 2004 Massachusetts population is 6,416,505.

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.